

ABSTRACT

A product-on-demand delivery system applies an agricultural product, such as seed, to a field. The system includes a frame that mounts a main hopper, a splitter fitting, a primary product hose, a secondary product hose, a primary application unit and a secondary application unit. The main hopper has an air nozzle wherein an air stream through the air nozzle entrains product within the air stream and delivers the air/product to the primary outlet hose. The splitter fitting has a splitter inlet flow-connected to the primary product hose and two splitter outlets flow-connected to the application units. The secondary application unit is coupled to the primary product supply hose by the secondary product hose connected at an outlet branch. The outlet branch is connected at an angle such that a product flow velocity vector in the primary product supply hose at the outlet branch is at an obtuse angle to a flow velocity vector of product flowing through the outlet branch. The outlet branch is oriented for a vertical upward flow of air and product.

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